

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Canceled)

Claim 2 (Currently Amended) The press of claim 8 ~~[[1]]~~, further comprising a frame; ~~the first pivot axis of the working cylinder and the second axis of the anvil cylinder are rigidly locked to the frame;~~
wherein the working and anvil cylinders are pivotally attached to the frame along the first and second axes, respectively, and the prestress application assembly includes a rocking member pivotally attached to the frame ~~[[at]]~~ along a third pivot axis that is parallel to the working cylinder and the anvil cylinder, the rocking member being pivotable on the third pivot axis so as to be part of the prestress application assembly.

Claim 3 (Currently Amended) The press of claim 2, ~~further comprising~~ wherein the prestress application assembly includes a winch engageable ~~engaged~~ with the rocking member for causing ~~applying force to~~ the rocking member ~~to cause the prestress application assembly~~ to exert the defined prestress between the working cylinder and the anvil cylinder.

Claim 4 (Currently Amended) The press of claim 3, further comprising a lever disposed between the winch and the rocking member, wherein the winch exerts force on the lever to move ~~moves~~ the rocking member to cause the rocking member to exert the defined prestress between the working cylinder and the anvil cylinder ~~the exertion of the prestress.~~

Claim 5

(Currently Amended) ~~The press of claim 1;~~ A rotary press for laying patterns of a material on a support strip, the press comprising:

a rotatable working cylinder having a first axis and a first periphery;

a drive for rotating the working cylinder around the first axis;

a temperature control device for heating and controlling a temperature of the working cylinder;

embossing plates holding the patterns of the material to be laid on the support strip, the embossing plates being held on the first periphery of the working cylinder;

a rotatable anvil cylinder having a second axis and a second periphery, the anvil cylinder being positioned with respect to the working cylinder such that the first periphery of the working cylinder is spaced apart from and in opposition to the second periphery of the anvil cylinder;

a shaft through the anvil cylinder along the second axis;

bearings between the anvil cylinder and the shaft for supporting the anvil cylinder for rotation on the shaft;

a prestress application assembly operable to exert a defined prestress between the working cylinder and the anvil cylinder; and

a space adjustment device connected to at least one of the working and anvil cylinders to adjust the space between the working cylinder and the anvil cylinder, the space adjustment device being independent from the prestress application assembly, wherein the space adjustment device for adjusting the space between the working cylinder and the anvil cylinder comprises:

[[a]] at least one first cylindrical part coupled to rigid with the working cylinder;

[[a]] at least one second cylindrical part mounted on a part of the shaft through [[of]] the anvil cylinder, and being in contact with the first cylindrical part, the second cylindrical part at the working cylinder and being independently movable with respect to the anvil cylinder, the shaft

through ~~[[of]]~~ the anvil cylinder having ~~[[a]]~~ at least one pivot portion respectively assigned to the second cylindrical part on which the second cylindrical part is defined, and the pivot portion is eccentric with respect to the second axis of the anvil cylinder; and

an angle adjustment device for selectively adjusting ~~[[the]]~~ an angular position of the eccentric pivot portion of the ~~second~~ shaft ~~[[of]]~~ through the anvil cylinder for adjusting the space between the first and second peripheries of the working cylinder and the anvil cylinder ~~to a selected extent.~~

Claim 6 (Currently Amended) The press of claim 5, wherein the at least one first cylindrical part includes two ~~further comprising two of the~~ first cylindrical parts respectively at opposite ends of the working cylinder, the at least one second cylindrical part includes two ~~two of the~~ second cylindrical parts respectively at opposite ends of the anvil cylinder and rotatable independently of the anvil cylinder, the at least one pivot portion includes two pivot portions respectively assigned to the two second cylindrical parts and ~~and two of the eccentric pivot portions of the shaft of the anvil cylinder and~~ located at the opposite ends of the anvil cylinder, and wherein each of the two eccentric pivot portions of the shaft of the anvil cylinder is adjustable in ~~[[its]]~~ angular position with respect to the other eccentric pivot portion ~~the other of the eccentric pivot portions~~; and ~~an angle adjustment device operable for independently adjusting the respective angular positions of each of the eccentric pivot portions.~~

Claim 7 (Canceled)

Claim 8 (Currently Amended) ~~The press of claim 7, further comprising:~~ A rotary press for laying patterns of a material on a support strip, the press comprising:

a rotatable working cylinder having a first axis and an external tubular wall defining a first periphery;

a drive for rotating the working cylinder around the first axis;

a temperature control device for heating and controlling a temperature of the working cylinder, the temperature control device including a cylindrical heating housing thermally coupled to the external tubular wall of the working cylinder;

embossing plates holding the patterns of the material to be laid on the support strip, the embossing plates being held on the first periphery of the working cylinder;

a rotatable anvil cylinder having a second axis and a second periphery, the anvil cylinder being positioned with respect to the working cylinder such that the first periphery of the working cylinder is spaced apart from and in opposition to the second periphery of the anvil cylinder;

a shaft through the anvil cylinder along the second axis;

bearings between the anvil cylinder and the shaft for supporting the anvil cylinder for rotation on the shaft;

a prestress application assembly operable to exert a defined prestress between the working cylinder and the anvil cylinder;

a space adjustment device connected to at least one of the working and anvil cylinders to adjust the space between the working cylinder and the anvil cylinder, the space adjustment device being independent from the prestress application assembly; and

a plurality of concentric, radially spaced apart, tubular walls in the cylindrical heating housing for defining a central space and concentric surrounding spaces, the tubular walls having defined by in-between the tubular walls, and communication holes for connecting adjacent at the walls between the concentric surrounding spaces chambers.

Claim 9 (Currently Amended) The press of claim 8, ~~wherein further comprising the central and surrounding spaces~~ have open ends at opposite sides of the cylindrical heating housing, the press further comprising: ~~having ends which are open;~~

a respective annular flange flanges positioned at each opposite side of the cylindrical heating housing to close the open ends of the central and surrounding annular spaces;

a heating medium feed pipe and an axial exhaust pipe in communication with the central and surrounding spaces to the housing for transfer of a heating medium to and from the cylindrical heating housing.

Claim 10 (Currently Amended) The press of claim 9, ~~wherein the heating housing has a cylindrical wall around and defining the heating housing, the annular flanges are located at the ends of the cylindrical heating housing and radially inward of the heating housing, wherein the flanges have a radially outward facing surface and the heating housing has a radially inward facing surface at the ends thereof for contacting the radially outward facing surface of the flanges, the surfaces between the housing and the flange are in contact and are cone-shaped surfaces~~ each of the annular flanges is cone-shaped having an outer surface that tapers in a direction toward the cylindrical heating housing, and each of the opposite sides of the cylindrical heating housing has an inner surface that also tapers in a direction toward the cylindrical heating housing, and the inner surface is shaped for receiving and contacting the outer surface of a respective annular flange at an interface therebetween.

Claim 11 (Currently Amended) The press of claim 10, wherein the outer surface of each flange and the inner surface of each side of the cylindrical heating housing ~~cone-shaped surfaces~~ are angled such that, in a longitudinal cross-section, the interface between the outer surface of the flange and the inner surface of the side of the cylindrical heating housing ~~the half angle of the cone-shaped surfaces of contact~~ corresponds to a [[the]] hypotenuse angle of a right angle triangle having two

additional sides corresponding and other sides correspond to [[the]] a longitudinal thermal expansion of a selected point of one of the outer and inner surfaces in contact at the interface with respect to [[the]] a median axis of the heating housing at a selected temperature, with respect to [[the]] a radial expansion of the selected given point at the same temperature enabling the outer and inner surfaces of contact at the interface of the housing and the flange to remain joined regardless of the temperature in the heating housing.

Claim 12 (Currently Amended) The press of claim 10, wherein the ~~wall of the~~ heating housing and the flanges are respectively comprised ~~with~~ of materials having with different respective heat caused expansions.

Claim 13 (Currently Amended) The press of claim 8 [[1]], further comprising heat energy transfer isolating elements at selected locations between the heating housing and the embossing plates ~~which are held to the working cylinder.~~

Claim 14 (Currently Amended) The press of claim 8 [[1]], further comprising structures in the embossing plates adapted for slowing heat transfer through the embossing plates.

Claim 15 (Currently Amended) ~~The press of claim 1, further comprising~~ A rotary press for laying patterns of a material on a support strip, the press comprising:

a rotatable working cylinder having a first axis and an external tubular wall defining a first periphery;

a drive for rotating the working cylinder around the first axis;

a temperature control device for heating and controlling a temperature of the working cylinder, the temperature control device including a cylindrical heating housing thermally coupled to the external tubular wall of the working cylinder;

embossing plates holding the patterns of the material to be laid on the support strip, the embossing plates being held on the first periphery of the working cylinder;

blocks under the embossing plates at the working cylinder for slowing heat transfer;

a rotatable anvil cylinder having a second axis and a second periphery, the anvil cylinder being positioned with respect to the working cylinder such that the first periphery of the working cylinder is spaced apart from and in opposition to the second periphery of the anvil cylinder;

a shaft through the anvil cylinder along the second axis;

bearings between the anvil cylinder and the shaft for supporting the anvil cylinder for rotation on the shaft;

a prestress application assembly operable to exert a defined prestress between the working cylinder and the anvil cylinder; and

a space adjustment device connected to at least one of the working and anvil cylinders to adjust the space between the working cylinder and the anvil cylinder, the space adjustment device being independent from the prestress application assembly.

Claim 16 (Original) The press of claim 15, wherein the blocks are comprised of sandwich type compound material.

Claim 17 (Currently Amended) The press of claim 14, wherein the structures ~~blocks~~ are spring like for compensating possible errors of concentricity of the rotatable working cylinder ~~stamping tool~~.

Claim 18 (Currently Amended) The press of claim 8 ~~[[1]]~~, wherein the rotatable working cylinder includes reference faces structured to respectively receive the embossing plates, the press further comprising blocks shaped in profile shape along a tool generating line for fixing the embossing plates, and the profiles of each of the

blocks having an inclined face toward ~~[[the]]~~ a respective embossing plate to urge the embossing plate against the respective reference face plates for providing precise angular and radial positioning of the embossing plate ~~to allow reproduction in the radial direction and also angularly against a reference face of the holding tool.~~

Claim 19 (Currently Amended) The press of claim 18, wherein each block comprises an ~~there is at least one of the profiles and comprised of~~ elastic material ~~[[and]]~~ extending over at least a portion of the length of the block ~~either the entire length or over part of the length of the tool generating line.~~